

**PROGRESS REPORT NUMBER 6 ON THE HOPI TRIBE'S INVOLVEMENT AS A
COOPERATING AGENCY IN THE GLEN CANYON DAM ENVIRONMENTAL IMPACT
STATEMENT**

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Submitted to

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Introduction

According to the objectives outlined in the cooperative agreement, this report will address the progress and action that has been accomplished for the period beginning October 1, 1992 until December 31, 1992, the end of the calendar year, towards fulfillment of those objectives. It must be reiterated again in this report that progress towards the completion of these research objectives were impeded during fiscal year 1992 due to shortfalls in the funding level from the Bureau of Reclamation, requested by the Hopi Tribe, which was imperative for the Hopi Tribe to realize their fiscal year 1992 objectives. Therefore, due to the Hopi Tribe receiving their requested funding level late in the fiscal year, much of the scheduled research activities and objectives for fiscal year 1992 had to be postponed and consequently not accomplished. This report fulfills the December 31, 1992 deliverable requirement of the cooperative agreement between the Bureau of Reclamation and the Hopi Tribe.

Progress Completed Towards Fulfillment of Objectives

The first objective is to identify sensitive cultural resource concerns to ensure that they are included in the planning phase of the Glen Canyon Dam Environmental Impact Statement.

Mr. Ferguson is continuing to provide direction and review for the literature search of ethnographic references and Spanish and 19th century American military documents as they relate to Hopi use of the Grand Canyon. Gail Lotenberg finished a draft historical report entitled "Hopi and the History of the Grand Canyon Exploration." The purpose of this report is to summarize the history of Spanish and American exploration in the Hopi region to document what knowledge the Hopis had of the Grand Canyon region. This draft report has been submitted for review and comment to the Hopi Cultural Preservation Office. Gail Lotenberg is currently working on the preparation of the final report on the history of European and American Exploration of the Hopi/Grand Canyon region. It will be included as a chapter in the final ethnohistorical document of the project's report.

Mr. Ferguson conducted field work with the Cultural Resources Advisory Task Team on November 6, 1992 during which the spiritual connection between the Grand Canyon and far-ranging shrines outside of the canyon were elucidated. The implications of this field work is that the Hopi Tribe may need to expand the focus of it's research into the Grand Canyon to one of a regional perspective and how the Canyon plays an important role.

Mr. Ferguson and Eric Polingyouma are continuing their ethnographic interviews with Hopi elders and knowledgeable tribal members to elicit their knowledge about the Grand Canyon. Hopi Judge Delfred Leslie was interviewed on December 16, 1992. Additionally, Mr. Polingyouma is currently reviewing all ethnographic interviews to date to identify individuals who may need to be visited for a follow-up interview and to identify Canyon related issues that require additional information or a level of information as yet not acquired. This later information, due to its potentially sensitive nature, will require the identification of individuals who possess a more in-depth knowledge of ritual information.

The second objective concerns assisting the GCD-EIS writing team in assessing the relative sensitivity of various cultural resource types. The ongoing process of fulfilling this objective is directed by Dr. Steven W. Carothers, of SWCA, Inc., with the assistance of Ms. Jean Anne Mercer, also of SWCA, Inc.

November 9 and 10, 1992, Dr. Carothers and Ms. Mercer attended the EIS Team Meeting held on the Colorado River. The team focused on resource impacts below Diamond Creek. Especially noticeable was the proliferation of vegetation, in particular the native Gooding's Willow, along stabilized banks of the river.

On November 17, 1992, Dr. Carothers attended a meeting with representatives from Arizona Game and Fish, U.S. Fish and Wildlife Service, Bureau of Reclamation, and Argonne National Laboratories (WAPA representatives) to discuss alternatives impacts to biological resources. This meeting was held in Phoenix, AZ. According to Dr. Carothers, most agencies are in agreement as to the most beneficial alternative for downstream resources except AZ. Game and Fish.

On December 10, 1992, Dr. Carothers and Ms. Mercer attended a inter-tribal meeting organized by the Hopi Cultural Preservation Office at the GCES Offices in Flagstaff. At this meeting Dr. Carothers reviewed the status of the analysis of the alternatives. This included the topics of flood control, adaptive management, resource monitoring, multi-level intake structure and beach/habitat building flows.

On December 15, 1992, Dr. Carothers attended a meeting in Salt Lake City with representatives from Arizona Game and Fish, Bureau of Reclamation, U.S. Fish and Wildlife Service, and the National Park Service. According to Carothers, Az. Game and Fish are still not in agreement with the other Cooperating Agencies about the best alternative for the fish resource.

The continuing involvement of the Cultural Preservation Office, representing the Hopi Tribe, in the GCES and GCD EIS process for fiscal year 1993 will continue to attend and be

actively involved in the EIS writing team meetings and the Cooperative Agency meetings. In addition, the Hopi Cultural Preservation Office will continue to review each new report released by the GCES for relevant information and areas of concern for comment. The Hopi Cultural Preservation Office will continue working with other members of the EIS writing team to progressively refine Chapters Three and Four of the EIS and work towards a selection of a preferred alternative. Moreover, the Hopi Cultural Preservation Office will continue to monitor the Bureau of Reclamation's compliance with the other relevant Federal legislations.

The third objective concerns assisting the Glen Canyon Environmental Studies in the identification and interpretation of sacred Hopi sites and other sensitive aspects that are related to the archaeological sites.

Towards the completion of this objective, Mr. Michael Yeatts, Hopi/GCES Archaeologist, organized and conducted a cultural resources inventory of the lower Little Colorado River Gorge, from Blue Springs to the confluence with the Colorado River. Currently, Mr. Yeatts is compiling the results of this inventory into a report format. Mr. Yeatts, who is stationed at the GCES offices in Flagstaff, is the Hopi Cultural Preservation Office's representative at numerous meetings regarding all aspects of the Glen Canyon Environmental Studies. These include meetings on economics, fish studies, EIS writing team meetings, non-use value economics, and GCES staff meetings.

Mr. Yeatts will continue to monitor the Section 106 consultation process, between the Bureau of Reclamation, the National Park Service, the Arizona State Historic Preservation Office, the Advisory Council on Historic Preservation, and the concerned Native American Tribes.

On November 8 and 9, 1992 Mr. Yeatts attended the Cooperating Agencies meeting in Peach Springs, Hualapai Reservation. Additionally, Mr. Yeatts reviewed and is preparing comments for the Hopi Cultural Preservation Office concerning the submitted draft *Long-Term Monitoring in the Grand Canyon: Response to Operations of Glen Canyon Dam*.

On December 3, 1992 Mr. Yeatts attended a meeting of the Scientific Information Management group at the GCES Offices in Flagstaff, Arizona.

On December 9, 1992 Mr. Yeatts attended a meeting concerning the Section 106 Programmatic Agreement covering the operations of the Glen Canyon Dam and the cultural resources effected by such operations.

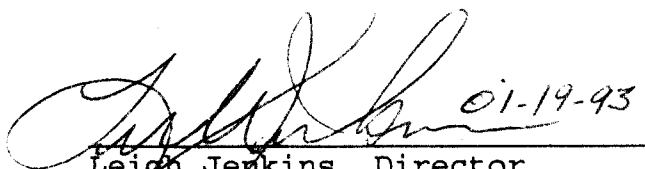
In 1993, Mr. Yeatts with the assistance of Mr. Ferguson will

initiate several river trips through the Grand Canyon in conjunction with the Cultural Preservation Office and the Cultural Resources Advisory Task Team in order to assist the Bureau of Reclamation in carrying out their National Historic Preservation Act, Section 106 legal responsibilities pursuant to the Glen Canyon Dam Programmatic Agreement. The Hopi Tribal representatives will continue to facilitate the integration of their concerns with the Bureau of Reclamation, Upper Colorado Region's Archaeologist, the Glen Canyon and the Grand Canyon National Parks' Archaeologists, the Advisory Council on Historic Preservation and with the Arizona State Historic Preservation Officer. This will continue to include recommendations on sensitive Hopi cultural concerns, a policy on the reburial of ancestral Hopi skeletal remains, and to continue to serve as liaison between the GCD-EIS scientific studies, the GCD-EIS writing team, and the clans and villages on the Hopi Reservation.

The fourth objective of the Hopi Tribe's involvement in the Glen Canyon Dam Environmental Impact Statement addresses Hopi assistance to the GCD-EIS writing team in the development, writing, and review of the environmental documents. This objective has been previously addressed by outlining Dr. Carother's and Ms. Mercer's involvement with the Hopi Cultural Preservation Office under objective #2 and the involvement of Mr. Yeatts and Mr. Ferguson in the compilation and preparation of various documents that are submitted to the GCD-EIS writing team. To date, the Hopi Cultural Preservation Office has submitted drafts of the Hopi sections for inclusion into Chapters Three and Four of the EIS, which require further information and revisions.

The above summarizes the Hopi Tribe's involvement as a Cooperating Agency in the development of the Glen Canyon Dam Environmental Impact Statement as of December 31, 1992. If you should have any questions concerning this progress report or if you need additional information please contact Mr. Leigh Jenkins, Director, or Mr. Kurt Dongoske, Tribal Archaeologist, at 602/734-2441, extension 202, or 602/734-6636.

REVIEW AND CONCURRENCE

 01-19-93

Leigh Jenkins, Director
Cultural Preservation Office
The Hopi Tribe